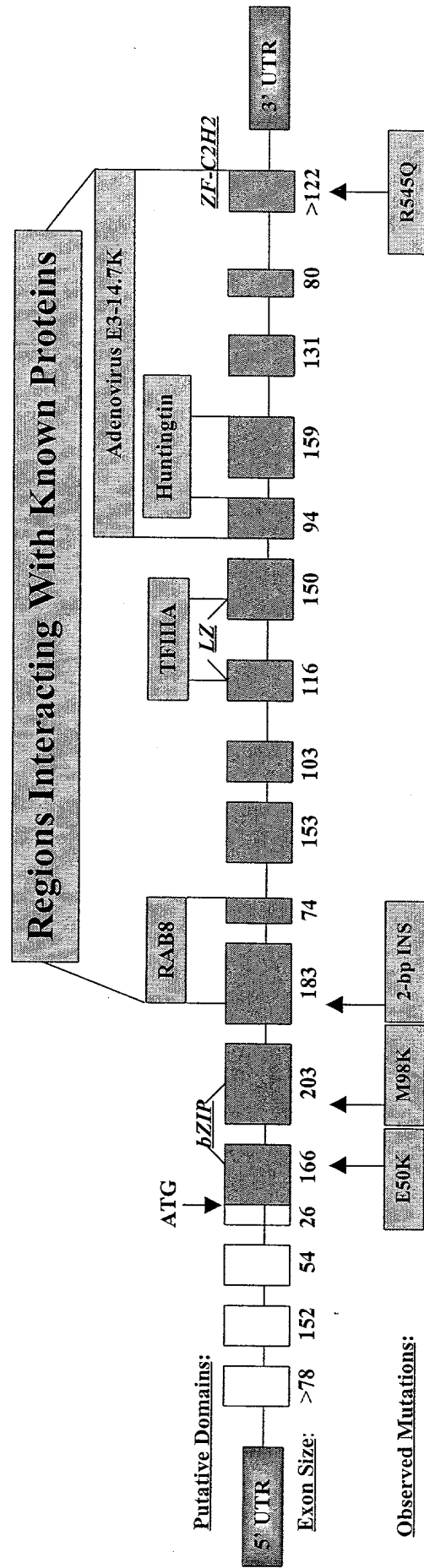
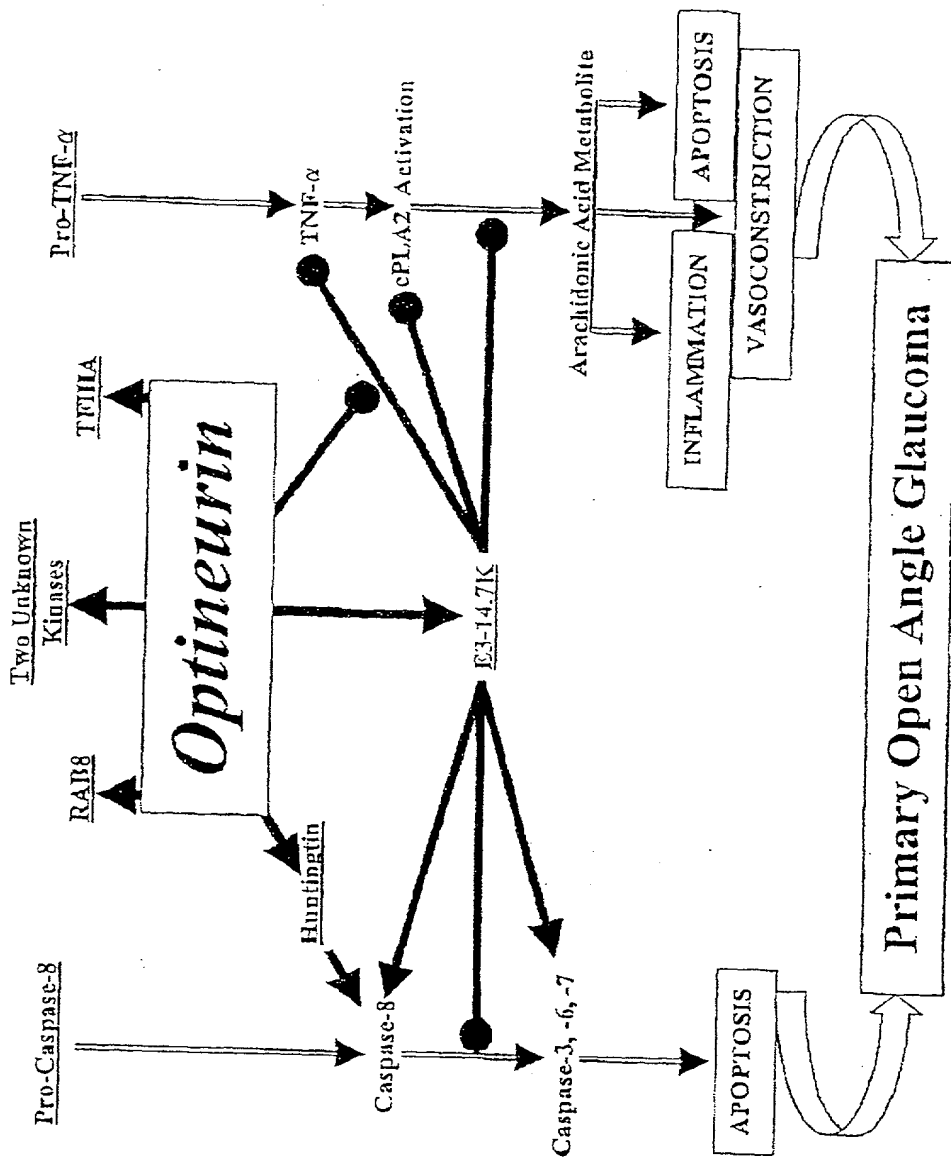


Figure 1



FAS-Ligand Pathway

TNF- α Pathway



Rezaie et al
FIGURE 2

1
gtacacctag aagtggaatt gctgggtcat atcataactc tctgtttaac

51
tttccaagga actcatcctc ggaatatttg gaaccagtga tgaactgaat
IKRS PCAT AP1F

101
caaactaaag ctgagacaaa gtccagacca aggtcaacca tagggcagat
OCTP
BARB RORA AP4R
AP1F HNF4 SF1F
SMAD

151 PERO/PPAR
gattcatgca gcgaccacac cagtggcctc acaggagcag gggcacaccc
PIT1 HAML
AP1F
MINI

201
tttgctgcag cagtcoccaa catttttgac accaggaact ggtttcatgg

251
aagacaattt ttccatggat ggtggtgggt gggggggtgg ttttgggatg

301
aatgggtcc acctcagatc atcaggcatt agagtctcat aagaagcacg

351
caacctagat cccttgcatt ttctgttgac aatagggttc Acgctcctat

401
gaaaatctaa tgcagctgct gatctgacaa gaggcggagc ttaggccata

Figure 3

20090722T00F

451

atgctcacc acccggttgc cacctcctgc tgttcgggtct agttcctgag

501

aggccacagg ccagtactgg ttcaccaccc ggggtttggg gacccctgct

HNF4

551

ttattggaca taattattag gtcgtgttct ttttggtggg gtttgtagacag

ROPA

NKXH

MEF2

ECAT

HOXF

PCAT

GREF

601

HMYO

ctctattgag gtataatcca catgccataa aattcacccc atttgtaaatt

MEF2

651

gtatgattca tggctttcaa ttacacttaa aaagttgtaa Aaccatcatt

701

acaattcaAa tttagtatat ttccatcatc ccccaaaaat cccctcgagt

751

tcctttgcag ttcaaagcca cccccaattt caggcaacta ctgggtctgat

801

ttctgtcttt ttctactttc cttttctgga catttaattgt atatggagtc

Figure 3 (cont.)

851

 atagcatatg tagtctttgg catctgggggt agcaagTacg aatAttagtc

HOXF

901
 taccacctca gatgcacata aaaatattac atatcttttc ttttcttttc

OCTP

CDXF CREB/GATA/VBPF

OCT1

EVI1

951 SEF1 OCT1

 cttccttcct tccttccttc cttcctttct ctctctActt ccttccttcc

1001

 ctcccttcta cctttcttcc ttctctctct ctctctcttt ctttttgga

1051

 agagtctcac tccatggccc aggctggagt gcagtggcac catcttggct

1101

 cagcgcaacc tTtgactccc aggctcaagc aattctcctg cctcagcctc

1151

 tcaagtagct gagattacag gcacgcacca ctactgctg gctaattttt

1201

 atatttttag tagagatagg gtttcacat gtagccagg ctggtcttga

1251

 actcctgacc tcaaacgatc ctcccaaagt gctgggatta caggcgtgag

Figure 3 (cont.)

1301

 ccaccgccct gggcctcttt actttcttta aaccagttc tgcaggggtg

TBPF

TBPF

1351

MEF2

tacggaaacc tat^{ttt}tcggg caccactggg gtctggagag gggaggtctc

XBBF

E2FF

LYMF

MZF1

AREB

1401

cttcctacg gccatgcaaa actccaggag ggcttttggg acccattgaa

OCT1

PAX5

ROPA

1451

VBPF

gtaagggcca tttatttttc agcccagcaa cattgccact gataccctca

ROPA

XBBF

HOXF

/CREB

1501

ttatCaaatg gttcttctag ggaacagtct ctgctgtttc caatgacaag

NFAT

GATA

IKRS

AREB

1551

ECAT

cctgggcagc agaatctgcg ggaggttccc aaagtccagt aggtgcatcc

NFKB

CEBP

IKRS

1601

XSEC

caagaGcttg ctgtctgtct gggtgctgca gggactgagg cttgagtcct

SMAD

PAX6

CP2F

ARP1

1651

tgatgctcat aagaccacca tccactcct cctcccaatc tgggggcggg

RPAD

ECAT

EGRF

SRFF

SP1

Figure 3 (cont.)

[illegible]

Diagram illustrating the binding sites for various transcription factors on a 1.5 kb DNA fragment. The binding sites are indicated by horizontal lines above the DNA sequence:

- AP1F
- CMYB
- MINI
- VMYB
- CEBP
- EBOX
- PAX5

ctggctcttc ctccaggaca tctggggtag atcatggatg tattgagatc
 ETSF
 NFKB SEF1
 AP4R ROPA

aggctttctc aaaagacaag aagaaaggct gtacttctaa gagctgttgc
 EVI1 CMYB

caggagtcca gccaacgctc ctgaaggtag gaagcccaaa gggactcgtt
 _____ EGRF _____ NOLF
 XBBF

gctaactcca aacagaggag attggggtgg aaagggaaca caaggaacat

AREB

IRFF

LDPS

ROP

ROP

caaaccaga ttaggatctc actaaaaacc ttccacact gctctacatt
 _____ IKRS _____
 XSEC

tacccaccac aaaaccacat caacaaatca gctaagagca tgctattatt
ROPA ECAT TBPF
HAML HAML

tcagtttttt cgctgcattt agattccatc tacccatgga agtgtgcagg
IRFF PAX6 PAX5 ETSF
E2FF MTF1
VMYB

Figure 3 (cont.)

2101

aagatggagt caccaaacgg gatgatccag gctaagaaac agaaccggct

— VMYB AREB
— ZFIA ETSF —
— APIF NFkB

2151

ctaacacaag caacagcaac aaacaccatg agccaggcgt tcttctaggt

ZFIA

XBBF

2201

CMYB

gttgaagacg tatttcctct ttaatcttct cagcatcctt aggtgagggc

2251

tgtgggtcca gaggccttat ctaaaatttt tgggtggctg ggcaccgtgg

2301

ctcacacatg taatcccagc actttggaag gccgaggcag gtggatcacc

2351

cgaggtcagg agttcaatac caggctggtc aacatggcga aacctcatca

2401

atacGaaaaa tgcaaaaatt agcttgggtg ggtggcacac gcctgtaatc

2451

ccagccactt gggaggctga ggcaggagaa tcactcaaac ccaggaggtg

2501

gagattgcag tgagctgaga ttatgccact gcactccagc ctgggcaaca

2551

gagtgagact ccacctcaaa aaataaaaata aaaccttttg ggcaagctct

Figure 3 (cont.)

2601
gctttAgagt ccagaattct ggggattttc aaaaggctat tcaataaatg

2651
ggatttatat cacataacac cctgacactg tctgacgcag ttctcctatc

2701
aactattcga ttttccttca caaaacaaat ttaaaaatca catcaaggga

2751
tctaaataaa gactgtaaat agctttccat cagttgggtc tggtcagaaa

2801
agaggtttgg tccttagaac tttctggatt tgggagtgtg ctatactccc

HNF4

MYT1

HEAT

2851
cattttacag ataaaggga tgaggaagg taagatgaag taacttggtc

2901
aaggtcctac agctaagaag tggttgtcgg gggagtgtgt gtgcatgtgt

LDPS

EBOX

2951
gtgtgcagtg cttcagggca cccccaccc cgacccacc actgagagca

NFKB

ARP1

EGRF

RREB

PCAT

SP1

3001
aggaatcagg agaaaacaac tttgactgct ttctgtacca gaaactcacc

MYT1

IRFF

Figure 3 (cont.)

3051
tcgagcctcc cacaccaaag ccatgggcag cttgtgggtg accttcttct

EGRF

RARF

RORA

3101
 cttggctctg agtttcactg atgctcattt taattcactt tcatagtgtt

EVI1

OCT1

OCTB

RBIT

3151
 gttttgttct cgtttttgtt tttgcttgag acaaagtctc cctctcaccc

NKXH

3201
 aagctggagt gcagtgctgc aatcacagct cattgcagcc tctccctcct

3251
 gggctcaagc gatcctcctg ccttgacctc ccaaagtgct gggattacag

3301
 gtgtgagcca ccGtgcccca cctatagggt tttaaacagt aaaaggagcc

FKHD

TBPF

3351
 tagtgaagta cgacttaccg caggcacccc ttacaggccc cggggggacc

MEF2

CEBP

NOLF

AP2F

3401
 cttttctgcc gatccagggt tacagctgtg acaccgtctt ttctgcctgg

MZF1

HEN1

AP4R

Figure 3 (cont.)

209020.1826001

3451

attatcccag tagataaaca aaaattagag atcgtcattc catttctctc

NFKB

FKHD

CREB

GATA

SORY

PAX3

PAX1

3501

GATA

TEAF

tgtatatatt tttccaagcc cttttcatga atgatcagtt atttcctgca

NFAT

OCT1

VMYB

BARB

PIT1

ETSF

3551

AP1F

ctgaTttttt tttttttttt ttttttttga gacggagtct cactctgtca

3601

cccaggctgg agtgcagtg gcatgAtctCg gctcgctgca agctctgcct

3651

cccgggttca agcgattctt ctgccttagc ctcccagagta gctgggacta

3701

caggagagta ccatcatgcc cggctaattt ttgtattttt agtagagaca

3751

ggctttcacc atattggcca ggctgggtctc gaactccgga ccttgcgatc

3801

tgccctgcctt ggcctcccaa agtgctggga ttacaggcgt gagccaccgc

Figure 3 (cont.)

3851

gcctggccct cctgcactga tataaaaaga aTtttttttaa attctctatt

GATA
EVI1
MEF2
TBPF

ROPA

3901

tctccccact cccacccccca ggctcactcc ttataaagca gcctctagcc

EBOX AP2F TBPF
MZFI
MINI
RREB

3951

WTI

tcctctgccc ctctacacc acaccaactc gagggccCgg aattgggtct

HAML ETSF
LYMF

4001

ggggcagtcg ctgacttgct tgcttctctg ccctgctctt ggggttagcc

PAX5
LTUP

4051

tcagggggcag gggtgagagt caggcttggc caggcagcag gaggtccaga

PAX5 MYOD SMAD
PCAT ETSF

4101

cagcgaagca gaatccttcg gagataccag gagagggcgc atctgccttt

GATA EGRF
HMTB

4151

NFAT

ttcctgtttc agattagggt ttgttggtgt tgttttgttt tttttctctc

PERO SORY
GKLF AREB FKHD

4201

cctctctccc tccctccctc tctccctccc tctctccctc tctccgtccc

Figure 3 (cont.)

10091281-030602

tccctctctc tctctctccc cctccctcct tccctccctc ccattccctgc

agcgctaccc gggctactctg gatgcacata gggcggtctc cgctccctacc
OCT1 EVI1

ttgtcatcct gctgtctaat ccgggggcag cttccctcct ccacaccagc
 TCFF MINI

agaggctatt cttcagcaac aagaatagcc gagcctattc gtccgcaaca
 NRSF
 CLOX

aGagcccaag aagcatcctg caggctttct gctttttgag tgtatttttaa
 PCAT BARB MEF2
 TBP

agcaaaaacg agtggaaagc tatgtatgct cagttaacta tgtctagatg
 _____ TBPf MYT1 GATA
 _____ FKHD

ttaacctttt ttcaaaaaac acagatggag gcctccotcc gaggatgctt
AP4R

ggcattctcc tctttctgtg ggcggcagcg accccctgcg gctccagcct
 EGRF ZFIA

ccactacgggg atctgcggga agacacggggg aagacgaact ccgcacactg
 CREB
 CEBP
 E2FF
 EBOX

Figure 3 (c)

Figure 3 (cont.)

4701

catttgatta atgatttatt ttgattaacg ccgtcacagt gacgccttag

CLOX RPOA COMP PAX5
HNF1 HNF1 CREB PAX6
CART CREB

4751

agcagtcctt gttcaccggt gtcccagcct cgaccccgca cggacagcga

FKHD

4801

gggtgggtag ctggggggcgg acgcaggaaa gaggaggggc ggggccttgg

EGRF SP1F GKLF PCAT

4851

tcgggtgggg tatggaatgg gcagggtggg ggggatgggc ggggtatggg

RREB PAX5 TEAF RREB RREB

4901

atgggcgggg cccgggaaat tccccggcgc gggcaggag cggctggctg

SP1 NOLF E2FF NFKB

4951

tcagctgagc cgcgctgggc ggggtcgcca ggccgcgcac cagccctagg

AP4R SP1F HEN1

5001

cacccagtc cgggtgccc cctccgccac cgccgccgcc cgccggcagg

EGRF EGRF EGRF SPIF

5051

ttcc 5054

Figure 3 (cont.)